

Brandy Murray

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PROFESSIONAL EXPERIENCE

Capacity Planning Engineer – Salesforce – December 2021 to Present

Achievements:

- Created a single org forecasting dashboard using SQL, Google Sheets, and Tableau which allowed insight into how a planned migration would impact the target one year out from the migration date.
- Built a dashboard with a SQL query that allowed monitoring of customer traffic. This dashboard can analyze how migrating an organization from a source to a target would affect the health of both the source and target.

Daily Tasks:

- Monitor instance cell health daily and plan remediations to ensure all customers have an excellent experience.
- Maintain the Production and Sandbox Data Migration program, creating lists of eligible customers.
- Upon creating these migration lists a daily analysis of each migration happens to ensure all customers are ready for migration and those who do not wish to migrate are removed from the list.
- Monitor the number of scratch orgs created daily to gain insight as to when a new cell needs to be built.
- Analyze Sign-Up instance health daily and make changes when needed.

Founder – Lone Peak Data Analytics & Business Solutions – November 2019 to June 2022

Achievement:

- Performed an analysis of a client's needs; created dashboards based on the customer personas helping the client increase revenue by over 45% in the first year after implementation of the new solution.

Daily Tasks:

- Delivered customer service to small businesses by engineering dashboards in Power BI to optimize business performance, re-evaluate goals, and prioritize segments of the business model to work towards those goals.
- Developed Business Model plans and then tested each one to evaluate the effectiveness on business goals.

Budget & Fiscal Manager – Montana State University – August 2016 to January 2019

Achievement:

- Chaired a strategic planning committee to correct a negative forecast by examining personnel needs and fiscal waste-reducing overall payroll operating expenses by over 30%.

Daily Tasks:

- Monitored a \$30 Million operating fund with funds forecasted from four different main sources using Power BI and advanced Microsoft Excel.
- Worked cross-functionally with multiple offices to improve management reporting between departments and streamline HR functions.

Grants & Contracts Officer – University of Utah – January 2015 to May 2016

Achievement:

- Was promoted to Project Manager for the CCSG Pilot Project, which included overseeing daily fiscal management of four NIH projects & managing a critical membership program.

Daily Tasks:

- Examined 30+ Principal Investigators (PIs) monthly expenses, communicating issues, correcting errors, and providing final reports for senior management.
- Collaborated with the finance department to develop repeatable business, operational, and financial processes creating the widely used Grants Compliance Report using advanced Microsoft Excel.

Business Manager – Montana State University – June 2011 to September 2014

Achievement:

- Developed a \$6 Million budget for nine subcontractors with 100+ different projects.

Daily Tasks:

- Tasked by the Federal Transit Administration to be the Project Manager to create the National Parks Scholar Program. Continued to manage the scholars throughout their time to monitor scopes of work and provide program support.
- Generated bi-monthly financial reports for senior leadership using advanced Microsoft Excel.

CERTIFICATIONS & EDUCATION

UT-Austin Academic Portfolio

Project from University of Texas:

Used Python including Pandas, NumPy, Seaborn, Matplotlib, PyPlot, SciPy, and SkLearn libraries to develop a pricing model that predicted the price of used cars and helped the business devise profitable pricing strategies.

University of Texas – Austin: Post Graduate Program – Data Science & Business Analysis

Current GPA: 3.8 | Graduated: October 2021

Maryville University of St. Louis: Master of Science – Business Data Analytics

GPA: 3.96 | Graduated: August 2020

Montana State University – Bozeman: Bachelor of Science – Finance & Economics

Graduated: December 2008

DATA SCIENCE PROJECTS

Food Delivery Time Prediction: Case Study

Dataset provided by: [Gaurav Malik](#)

Predicting the delivery time of your order is a challenging task for every food delivery service like Zomato and Swiggy.

One of the best strategies to predict the delivery time is by calculating the distance between the point of picking up the order and the point of delivering the order. Then predict the delivery time based on how much time your delivery partners took to deliver orders in the past for the same distance.

Credit Score Classification

Dataset provided by: [Rohan Paris](#)

You are working as a data scientist in a global finance company. Over the years, the company has collected basic bank details and gathered a lot of credit-related information. The management wants to build an intelligent system to segregate the people into credit score brackets to reduce the manual efforts.

Given a person's credit-related information, build a machine learning model that can classify the credit score.

Data Climate Time Series Data

Dataset provided by: [sumanthvrao](#)

You are working as a weather forecaster in the city of Delhi, India. India's weather pattern has been gradually changing over the years and you want to predict what changes lay ahead to prepare city officials as best as you can.

Given the variables provided train a model on Weather Forecasting for the Indian climate.

Clustering Music Genres

Dataset provided by: [Adri Molina](#)

Try to classify music according to their genre using a clustering AI approach using the dataset from Spotify that contains approximately 80k rows of data.

Data Science	Data Visualization	Analytics	Collaboration
Supervised Learning	Power BI	Microsoft Excel	WebEx, Zoom, Google Meet
Linear/Logistic Regression	Tableau	Python	Slack, Hangouts
A/B Testing	PowerPoint	Google Sheets	Smartsheet

Additional Skills: SQL, Jupyter Notebook, Pandas, Matplotlib, NumPy, Seaborn, SciPy, Sklearn, Docker, Git Hub, Neo4j